

Converting Colors

CIELCh(83, 91.231, 142.062)

Have a look what the booklet for
CIELCh(83, 91.231, 142.062)
contains.

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Color

CIELCh(83, 91.204, 142.122)

Conversions

Conversions Part 1

Format	Color
Hex	3AED5D
RGB	58, 237, 93
RGB Percent	23%, 93%, 36%
CMY	0.7735, 0.0712, 0.6358
CMYK	0.76, 0.00, 0.61, 0.07
HSL	132°, 83%, 58%
HSV	132°, 76%, 93%
XYZ	33.9422, 62.1629, 20.5338
YIQ	167.0630, -60.4600, -82.7320

Conversions

Conversions Part 2

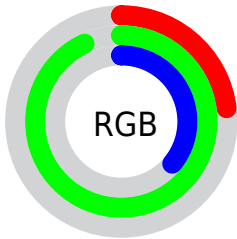
Format	Color
RYB	58, 208, 237
Decimal	3861853
CIELab	83.00, -71.99, 56.00
CIELCh	83, 91.204, 142.122
Yxy	62.1629, 0.2910, 0.5330
Android (android.graphics.Color)	4282051933 (0xFF3AED5D)
YUV	167.0630, -36.5131, -95.6483
Hunter-Lab	78.8435, -61.1316, 39.7491

Details

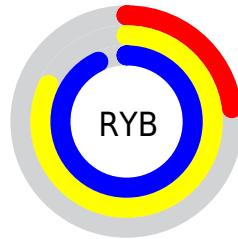
The CIELCh color **83, 91.204, 142.122** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **57, 87.165, 335.714**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 69.462, 144.190**, and **64, 86.002, 138.747** is the 20% darker color. If you saturate the color by 10%, you get **83, 99.130, 140.471**, and if you desaturate by 10%, it is **84, 81.700, 143.699**.

Distribution



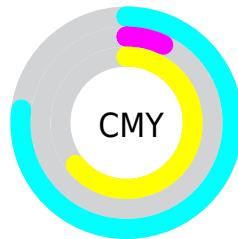
- Red (23%)
- Green (93%)
- Blue (36%)



- Red (23%)
- Yellow (82%)
- Blue (93%)



- Cyan (76%)
- Magenta (0%)
- Yellow (61%)
- Black (7%)





- Cyan (77%)
- Magenta (7%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 91.204, 142.122 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 83, 91.204, 142.122 by changing the saturation by 10% instead.


 83, 91.204,
142.122


 83, 91.204,
142.122


 100, 91.204,
142.122


 73, 91.204,
142.122

 63, 91.204,
142.122

 53, 91.204,
142.122

 43, 91.204,
142.122

 33, 91.204,
142.122

 23, 91.204,
142.122

 13, 91.204,

142.122

■ 3, 91.204, 142.122

■ 0, 91.204, 142.122

■ 83, 91.204,
142.122

■ 83, 91.204,
142.122

■ 83, 99.130,
140.471

■ 84, 81.700,
143.699

■ 82, 105.256,
138.851

■ 85, 70.889,
145.140


■ 82, 107.399,
138.224

■ 86, 59.071,
146.419

■ 87, 46.546,
147.536


■ 89, 33.590,

148.502

 90, 20.445,
149.337

 92, 7.304, 150.081

 95, 5.681, 330.586

 96, 11.319,
324.808

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83, 91.204, 142.122



57, 87.165, 335.714

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 91.204, 142.122



83, 91.204, 192.122



83, 91.204, 322.122



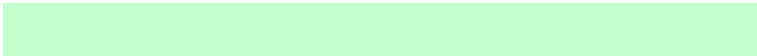
83, 91.204, 12.122

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83, 91.204, 142.122



95, 32.027, 148.724



89, 83.382, 112.983



50, 22.163, 148.402



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 91.204, 142.122



88, 108.795, 139.527



84, 58.950, 165.236



48, 7.359, 149.799



64, 87.234, 138.504



18, 34.568, 141.985

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57, 87.165, 335.714



59, 98.397, 337.174



54, 70.984, 8.754



46, 7.382, 330.950



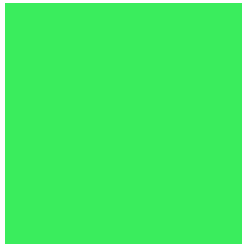
41, 76.768, 337.896



9, 33.590, 336.220

Previews

White Background



This preview shows how the CIE LCh color 83, 91.204, 142.122 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 91.204, 142.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 91.204, 142.122

Background



This preview shows how black text looks on a background with the CIELCh color 83, 91.204, 142.122.

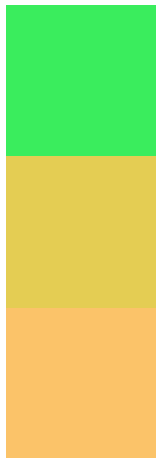


This preview shows how white text looks on a background with the CIELCh color 83, 91.204, 142.122.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
83, 91.204, 142.122

Protanopia
82, 62.011, 95.465

Deuteranopia
82, 53.215, 78.888



Tritanopia
83, 33.194, 214.222

Trichromacy



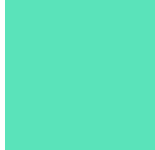
Original Color
83, 91.204, 142.122



Protanomaly
81, 67.860, 122.403



Deuteranomaly
80, 56.618, 117.463

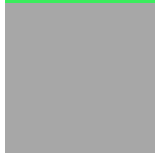


Tritanomaly
82, 47.714, 169.084

Monochromacy



Original Color
83, 91.204, 142.122



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 37.246, 147.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 91.204, 142.122 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(58, 237, 93)` looks like.

```
.text, #text, p{  
    color:rgb(58, 237, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(58, 237, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 237, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 91.204, 142.122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(58, 237, 93) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(58, 237, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(58, 237, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 237, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 237, 93);  
box-shadow:4px 4px 4px 4px rgb(58, 237,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 91.204, 142.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 237, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(58, 237,  
93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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